

1           **SYSTEM AND METHOD FOR DISTRIBUTING DRAWINGS**  
2                           **THAT ILLUSTRATE ANIMATION**

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4                           RELATED PATENT APPLICATION

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6           This application is a utility application based on U. S. provisional  
7 patent application Serial No. 60/260,292 entitled "System and Method  
8 For Distributing Drawings That Illustrate Animation," filed January 8,  
9 2001. This related application is incorporated herein by reference and  
10 made a part of this application.

11  
12                           BACKGROUND OF THE INVENTION

13  
14           In the creation of animated productions such as movies, a line  
15 sketch of a subject, such as, for example, a cartoon character, is made  
16 on a transparent, plastic film and the backside of the film is painted to  
17 color the character. Several different, separate individual films are  
18 employed with the character changing posture or position from one  
19 film to the next. Individually painted films are placed over a sheet  
20 displaying a background scene for the character. Typically, the  
21 background scene is printed and remains the same for a number of  
22 different postures or positions of the character. The character may be,  
23 for example, a cartoon of a human being, an animal such as a dog or a  
24 cat, plants such as fruits, vegetables, flowers, or other types of  
25 vegetation, or even mechanical or structural objects such as  
26 automobiles and buildings. Virtually anything may be the subject of  
27 animation art.

28           In making an animated movie, each assembled film and  
29 background sheet constitutes a different frame of the movie. The  
30 individual films are assembled one by one on individual sheets bearing

1 the identical printed background scene to produce a series of  
2 individual drawing showing the character in the context of a selected  
3 background. It may be desirable to change the background as the  
4 position of the character changes. These individual drawings are  
5 arranged in a predetermined sequence that represent the character  
6 moving in a step-wise fashion frame by frame from one posture or  
7 position to another posture or position. Thus, when one rapidly flips  
8 through the drawings arranged in the correct sequence, one sees the  
9 character continuously moving rather than as a series of individual  
10 frames. With the advent of computers, much of this artwork is now  
11 produced by computers rather than hand drawing and hand painting.  
12 Nevertheless, such hand-painted art is in many ways more desirable  
13 than art created by computers. Such a hand-painted transparent film  
14 mounted on a support sheet having a printed background picture  
15 thereon is a beautiful work of art suitable for framing and displaying in  
16 one's home or office.

17 It would be advantageous, from an instructional point of view, to  
18 provide a series of such hand-painted works of art in a cost-effective  
19 way, particularly to children who could then be taught how cartoon  
20 characters are animated in movies.

## 21 22 SUMMARY OF THE INVENTION 23

24 It is the objective of this invention to provide a system and  
25 method that facilitates the delivery of drawings that illustrate  
26 animation.

27 This invention has several features, no single one of which is  
28 solely responsible for its desirable attributes. Without limiting the  
29 scope of this invention as expressed by the claims that follow, its more  
30 prominent features will now be discussed briefly. After considering

1 this discussion, and particularly after reading the section entitled,  
2 "DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS," one will  
3 understand how the features of this invention provide its benefits,  
4 which include, but are not limited to, delivery, over a period of time a  
5 series of hand-painted drawings that illustrate animation, providing low  
6 cost original hand-painted animation art, and facilitating ordering  
7 individual, original hand-painted animation drawings of a wide variety  
8 of subjects selected by the buyer.

9 The first feature of the system for distributing drawings that  
10 illustrate animation is that it includes a global computer  
11 communication network (The Internet) and a web site connected to  
12 said network. The pages of the web site are displayed on the monitor  
13 screen of the buyer's computer when the buyer connects to the web  
14 site. This page display enables the buyer (a) to select at least one  
15 subject from a plurality of different subjects for the drawings, (b) to  
16 select a payment source, and (d) to provide a mailing address to which  
17 the drawings are sent. Optionally, the display enables the buyer to  
18 select a time interval at which individual drawings are delivered to the  
19 buyer. Each individual drawing is only one of a series of drawing used  
20 in making an animated movie.

21 The second feature is that the web site includes an animated  
22 movie illustrating the type of drawings being offered. This movie  
23 shows a sample of the type of art work being provided, preferably in  
24 color, and comprising a series of individual frames that give the illusion  
25 to the buyer looking at the movie that the subject is actually moving.  
26 The drawings comprises a series of individual drawings of the subject in  
27 a predetermined sequence where, from one individual drawing to the  
28 next in the sequence, the subject changes in size or position so that,  
29 when the series of individual drawings are viewed rapidly one after the  
30 other in said sequence, the subject appears to change shaped or move

1 in an animated manner. The movie may or may not be identical to the  
2 subject of the drawing being ordered by the buyer.

3 The third feature is that at least one drawing, and preferably all,  
4 are original hand-painted works of art on a transparent film. An  
5 important aspect of this invention is that at least one drawing includes  
6 on a single transparent film the subject appearing as a series of line  
7 sketches corresponding to the size or position of the subject shown in  
8 the individual drawings. Preferably, this one drawing (referred to  
9 herein as a multiple position drawing) preferably has the first and last  
10 sketch in the sequence hand-painted. Such a multiple position drawing  
11 clearly illustrates how the different sketches are arranged when making  
12 an animated movie to create the illusion that the subject is alive and  
13 capable of action. In one embodiment of this invention, the subject of  
14 a multiple position drawing grows from an infant to an adult and moves  
15 into different positions during this growth process.

16 The fourth feature is that the drawing comprises an assembly of  
17 the transparent film placed to overlie a printed background scene.  
18 Typically, the printed background scene is in color. Preferably, each  
19 individual drawing is delivered in a folder holding the individual  
20 drawing. At least one folder preferably provides information about the  
21 selected subject, such as, for example, a fictitious Birth Certificate.  
22 Optionally, the buyer is provided a card indicating membership in a  
23 club promoting animation art.

24 This invention also includes a method of distributing drawings  
25 that illustrate animation. This method comprises:

26 providing a web site connected to a global computer  
27 communication network,

28 the web site displaying on a monitor screen a display for enabling  
29 a buyer

30 (a) to select at least one subject from a plurality of different

1 subjects for the drawings, the drawings comprising a series of  
2 individual drawings of the subject in a predetermined sequence where,  
3 from one individual drawing to the next in the sequence, the subject  
4 changes in size or position so that, when the series of individual  
5 drawings are viewed rapidly one after the other in said sequence, the  
6 subject appears to change shaped or move in an animated manner,

7 (b) to select a payment source, and

8 (c) to provide a mailing address to which the drawings are sent,  
9 and

10 connecting to the web site and ordering a series of drawings by  
11 selecting the subject of the drawings and the source of payment, and by  
12 providing a mailing address to which the individual drawings are sent.  
13 Preferably, the display enables the buyer to select a time interval at  
14 which individual drawings are delivered to the buyer, and the web site  
15 includes an animated movie illustrating the type of drawings being  
16 offered.

#### 17 DESCRIPTION OF THE DRAWING

18  
19  
20 The preferred embodiments of this invention, illustrating all its  
21 features, will now be discussed in detail. These embodiments depict  
22 the novel and non-obvious systems and methods of this invention for  
23 distributing drawings that illustrate animation as shown in the  
24 accompanying patent drawing, which is for illustrative purposes only.  
25 This patent drawing includes the following figures (Figs.), with like  
26 numerals indicating like parts:

27 Fig. 1 is a schematic diagram illustrating a buyer's computer  
28 connected to a seller's website that offers hand painted animation art  
29 for sale.

30 Fig. 2 is page 1 of the seller's website depicted in Fig. 1.

1 Fig. 3A is page 2 of the website depicted in Fig. 1.

2 Fig. 3B is page 3 of the website depicted in Fig. 1, showing a  
3 fictitious Birth Certificate containing information about the subject  
4 selected by the buyer for a series of animation art works, such as, for  
5 example, the dog depicted in the series of transparent films illustrated  
6 in Figs. 7A-7N.

7 Fig. 3C is page 4 of the website depicted in Fig. 1.

8 Fig. 4 is the front side of a transparent film displaying a hand-  
9 drawn and hand-painted subject, specifically a cartoon of a Dalmatian  
10 puppy.

11 Fig. 5 is the backside of the transparent film shown in Fig. 4  
12 showing how the line drawing of the puppy is painted from the  
13 backside.

14 Fig. 6A illustrates one printed, colored background picture used  
15 with transparent films bearing the hand-painted animation art.

16 Fig. 6B illustrates the assembly of a transparent film bearing the  
17 hand-painted animation art overlying the background picture shown in  
18 Fig. 6A.

19 Figs. 7A through 7N depict individual transparent films on which  
20 are drawn on different individual films of the same subject growing and  
21 moving into different positions, with

22 Fig. 7A showing the subject, a Dalmatian dog as a puppy, seated in  
23 front of its bed;

24 Fig. 7B shows the same puppy, a little larger, with a slightly  
25 different facial expression sitting before its bed;

26 Fig. 7C shows the same puppy now grown into a full size dog  
27 sitting before its bed which has now been tilted into a vertical position;

28 Fig. 7D shows the same dog turning to the left as shown in Fig. 7D  
29 and beginning to walk;

1 Fig. 7E shows the same dog facing away from the viewer looking  
2 to the left;

3 Fig. 7F shows the same dog in a similar position shown in Fig. 7E  
4 but raised up on its front legs and with its rear crouched slightly in a  
5 ready to jump position;

6 Fig. 7G shows the same dog jumping to catch a Frisbee in mid-air;

7 Fig. 7H shows the same dog catching the Frisbee in its mouth and  
8 turning towards the viewer;

9 Fig. 7I shows the same dog landing on the ground fully facing the  
10 viewer with the Frisbee in its mouth;

11 Fig. 7J shows the same dog turned to the right and facing away  
12 from the viewer and jumping up with the Frisbee in its mouth;

13 Fig. 7K shows the same dog with the Frisbee in its mouth in mid-  
14 air and beginning to turn towards the viewer;

15 Fig. 7L shows the same dog landing with its head turned towards  
16 the viewer and the Frisbee in its mouth;

17 Fig. 7M shows the same dog fully facing the viewer with its head  
18 turned toward the right with the Frisbee in its mouth; and

19 Fig. 7N shows the same dog standing sideways and looking to the  
20 left with the Frisbee in its mouth.

21 Fig. 8 shows a transparent film with the individual line drawings  
22 or hand sketches of the dog shown in Figs. 7A through 7N  
23 superimposed on each other, but spaced apart.

24 Fig. 9 shows a colored printed background picture over which the  
25 transparent film shown in Fig. 8 is placed.

26 Fig. 10 shows the first hand sketch (Fig. 7A) and last sketch (7N)  
27 on the transparent film illustrated in Fig. 8 hand painted and assembled  
28 with the printed background picture shown in Fig. 9 to overlie the  
29 background picture

1 Fig. 11 is a display frame holding the assembled hand-painted  
2 transparent film and printed background picture mounted on the right-  
3 hand side of the frame and the Birth Certificate shown in Fig. 3B  
4 mounted on the left side of this card.

5 Fig. 12 shows a transparent film with the individual line drawings  
6 or hand sketches of the dog shown in Figs. 7A through 7N  
7 superimposed on each other, but spaced much closer together than  
8 illustrated in Fig. 8 and the dog as a puppy (Fig. 7A) in the foreground.

9 Fig. 13 is essentially the same as Fig. 12 except the backside is  
10 painted in the areas corresponding to the dog as a puppy (Fig. 7A) in  
11 the foreground.

12 Fig. 14 shows a transparent film with the individual line drawings  
13 or hand sketches of the dog shown in Figs. 7A through 7N  
14 superimposed on each other, but spaced much closer together than  
15 illustrated in Fig. 8 and the fully grown dog (Fig. 7N) in the foreground.

16 Fig. 15 is essentially the same as Fig. 14 except the backside is  
17 painted in the areas corresponding to the fully-grown dog (Fig. 7N) in  
18 the foreground.

## 19 20 DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

21  
22 As depicted in Fig. 1, the system 10 of this invention for  
23 distributing drawings that illustrate animation includes a seller's  
24 website 12 connected to a global computer communication network 14  
25 commonly referred to as the World Wide Web or Internet. A buyer of  
26 such drawings would order the drawings via the Internet. The buyer's  
27 computer 16 would typically include a mouse 18 and a keyboard 20  
28 and be connected by a browser 22 and connector 24 for the Internet to  
29 the Internet. The buyer's computer 16 includes a monitor 26 having a  
30 screen 26a on which is displayed the various pages of the website 12



1 when the buyer accesses the website. For example, the website domain  
2 name could be www.animationcard.com.

3 When the buyer connects to the website 12 there is displayed  
4 page 1 (Fig. 2) of the web site, which includes a series of icons 28a, 28b,  
5 28c depicting different subjects of drawings that may be ordered by the  
6 buyer: For example, pets such as dogs (icon 28a) and cats (icon 28b),  
7 or plants (icon 28c), for example, a fruit such as an apple. There also is  
8 a button 27 that the buyer may point and click on using the mouse 18  
9 to access information about the seller and the services and products  
10 being offered for sale, including a sample animated movie showing the  
11 quality of the art work provided in the drawings that will be delivered to  
12 the buyer. The sample animated movie may or may not include the  
13 subject of the drawings that the buyer orders over the web site 12.  
14 Using the mouse 18, the buyer selects the subject of the drawing he or  
15 she will purchase by pointing an arrow 30 appearing on the monitor  
16 screen 26a on the icon corresponding to the selected subject and  
17 clicking the mouse. For example, as soon as the buyer clicks on the  
18 icon 28a of the dog, page 2 (Fig. 3A) of the web site 12 appears on the  
19 screen 26a of the buyer's monitor 26. Page 2 allows the buyer to select  
20 a particular breed of dog and give the dog a name. For example, by  
21 pointing the arrow 30 on the word "Dalmatian" and clicking, the subject  
22 of the drawing will be a Dalmatian dog. Using the keyboard 20, the  
23 buyer then types in the name of his or her "imaginary" pet dog, for  
24 example, Spot, in the field 32 appearing on page 2 and designated as  
25 "Pet's Name." A "done" icon button 34 is next clicked using the mouse  
26 18 to advance to the next page of the web site 12, namely, page 3 (Fig.  
27 3B). Page 3 comprises a statement discussing the breed, in this case the  
28 Dalmatian breed, and providing a fictitious Birth Certificate. For  
29 example, the birth date appearing on the Birth Certificate may be the  
30 date the order was placed; for example, November 21, 2000. The Birth

1 Certificate may also include instructions on how the buyer would care  
2 for his or her "imaginary" pet. This Birth Certificate, preferably  
3 including the buyer's name as the owner, for example, Tom Smith, may  
4 also serve as a membership card enabling the buyer to receive certain  
5 benefits such as special discounted offers on other drawings.

6 Using the mouse 18, the buyer would next point the arrow 30 on  
7 the "done" button 36 and click to advance to page 4 (Fig. 3C) of the web  
8 site 12 which appears on the screen 26a of the monitor 26. This page 4  
9 contains a field 38 that allow the buyer to enter using the keyboard 20  
10 his or her name, a field 40 for the buyer's address, a field 42 for the  
11 buyer's phone number, and boxes 44a and 44b to click on to select the  
12 payment source, for example, the buyer's credit card type for example,  
13 American Express or Discover and the fields 44c and 44d respectively  
14 for the credit card number of the selected credit card type. The buyer  
15 would then select the delivery schedule for the number of drawings that  
16 he or she selected by clicking on one of the four boxes 46 through 49 at  
17 the top of page 4, indicating how many drawings; in this example, from  
18 1-24 in the series. The buyer may also selected a desired delivery  
19 schedule by clicking one of the boxes 50 through 52 on the bottom of  
20 page 4. For example, by checking box 50 one drawing every week will be  
21 delivered; by checking box 51 one drawing every other week will be  
22 delivered; and by checking box 52 one drawing every third week will be  
23 delivered. In the last case, a discount could be given, for example, a  
24 five percent (5%) discount. When this information is completed, the  
25 buyer would, using the mouse 18, point the arrow 30 on a send button  
26 54 and click to order the selected drawings. The web site 12 preferably  
27 includes verification software that prevents sending the order unless the  
28 information on page 4 was properly completed.

29 The drawing to be delivered to the buyer comprises (1) a  
30 transparent film 60 (Figs. 4 and 5) bearing a multicolored, hand-

1 painting 61 of the selected subject in one position of a series of  
2 positions, and (2) a multicolored printed background sheet 62 such as  
3 shown in Fig. 6A. As illustrated in Fig. 6B, the drawing comprises an  
4 assembly of the hand-painted transparent film 60 overlying the  
5 multicolored printed background 62. In accordance with conventional  
6 practice, first a hand-drawn line sketch is made, for example of the  
7 sketch 64 shown in Fig. 7A, on the transparent film 60. From this  
8 single hand-drawn line sketch 64, an unlimited number of  
9 reproductions may be made on individual transparent films. The  
10 backside of each reproduction is painted one color at a time using the  
11 lines of the sketch as a guide. This hand-painted transparent film 60 is  
12 then placed over the printed background sheet 62 as illustrated in Fig.  
13 6B.

14 Assuming that the buyer ordered a series of fourteen drawings by  
15 checking box 48 on page 4 of the web site 12, then the subject, a  
16 Dalmatian dog, is drawn in different postures or positions designated  
17 as sketches 64 through 77 on fourteen different transparent films 60  
18 respectively shown in Figs. 7A through 7N. Each sketch 64 through 77  
19 is hand-drawn and then reproductions are made therefrom. The  
20 sketches 64 through 77 are in a predetermined sequence with the  
21 subject Dalmatian dog in different postures or positions. Specifically,  
22 the sketches 64 through 77 are in a sequence that shows the dog as it  
23 grows from a puppy to a full grown dog, and moves from its bed to  
24 turn away from the viewer, jump into the air to catch a Frisbee 78, turn  
25 around toward the viewer, and assume a standing position with the  
26 Frisbee in it's mouth. Each sketch is hand-painted and assembled on a  
27 sheet of, for example, paper with a background picture printed on it.  
28 Thus, if the buyer had checked a delivery schedule of one drawing  
29 every third week, the drawings consisting of the hand-painted sketch

1 on a transparent film 60 that is mounted on a paper sheet 62 having  
2 the multicolored background printed on it, is delivered to the buyer  
3 according to this schedule. Preferably, the individual drawings are  
4 delivered in a folded, cardboard frame 80 such as illustrated in Fig. 11.

5 As a bonus, the buyer may be given as the very last drawing one  
6 that shows the entire series of sketches 61 through 77 on a single  
7 transparent film 60, with individual sketches superimposed on each  
8 other as shown in Fig. 8 and spaced apart so that one could see the  
9 subject growing and moving over a wide, broad background area. Fig.  
10 9 shows a printed background sheet 82 over which the transparent film  
11 60 shown in Fig. 8 overlies. Only the first and last hand sketches 61  
12 and 77, respectively, of the subject are painted. This allows the buyer  
13 to easily see how the subject grows and transitions and moves into  
14 different postures and positions relative to the picture on the  
15 background sheet 82 as it grows and then jumps to catch the Frisbee  
16 78.

17 Fig. 11 shows this bonus drawing mounted in on frame 80 on the  
18 right-hand side of the frame and the Birth Certificate, shown in Fig. 3B,  
19 mounted on the left side of the frame.

20 Figs. 12 and 13 and Figs. 14 and 15 depict alternate ways of  
21 rendering a bonus drawing with the line sketches superimposed upon  
22 each other but more closely packed together. A different background  
23 sheet could be used in this situation such as the one shown in Fig. 6A.  
24 As illustrated in Fig. 13, the first hand-drawn line sketch in the series  
25 with the subject being a puppy is hand-painted according to  
26 conventional practice. In Fig. 14, the sketch with a dog in its fully  
27 grown stage and standing position with the Frisbee 78 in its mouth is in  
28 the foreground and this is hand-painted as illustrated in Fig. 14. Again  
29 the transparent film 60 on bearing these superimposed sketches is

1 placed on a suitable background sheet with a picture printed on its  
2 surface.  
3

#### 4 SCOPE OF THE INVENTION

5  
6 The above presents a description of the best mode contemplated  
7 of carrying out the present invention, and of the manner and process  
8 of making and using it, in such full, clear, concise, and exact terms as  
9 to enable any person skilled in the art to which it pertains to make and  
10 use this invention. This invention is, however, susceptible to  
11 modifications and alternate constructions from that discussed above  
12 which are fully equivalent. Consequently, it is not the intention to limit  
13 this invention to the particular embodiments disclosed. On the  
14 contrary, the intention is to cover all modifications and alternate  
15 constructions coming within the spirit and scope of the invention as  
16 generally expressed by the following claims, which particularly point  
17 out and distinctly claim the subject matter of the invention: